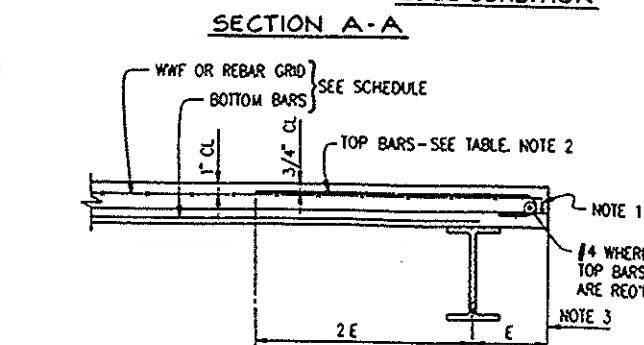


1. WHERE EACH SPAN PERPENDICULAR TO BEAMS, THE SHEAR CONNECTORS SHALL BE PLACED IN WALLS WITH A MAXIMUM OF 2 SHEAR CONNECTORS PER WALL, UNLESS OTHERWISE NOTED. SHEAR CONNECTORS SHALL BE KEPT CLEAR OF DECK ENDS, SEAMS, AND EMBOSSEMENTS. SHEAR CONNECTORS SHALL NOT BE PLACED UNDER OR WITHIN 5' OF TRENCH HEADERS OR ELEVATORS BEAMS.
2. WHERE A SINGLE NUMBER IS INDICATED [] IN PLAN, THE NUMBER OF SHEAR CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE LENGTH OF THE BEAM, UNLESS OTHERWISE NOTED.
3. WHERE A SINGLE NUMBER IS INDICATED [] IN PLAN AND THE EXTENT IS DESIGNATED BY ARROWS, THE NUMBER OF SHEAR CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE DESIGNATED LENGTH.
4. WHERE [MIN] IS INDICATED IN PLAN, PROVIDE SHEAR CONNECTORS AT 24" O.C.
5. UNIFORM SPACING ON BEAMS WITH EACH SPAN PERPENDICULAR SHALL BE ACHIEVED AS FOLLOWS:
 - WHERE THE NUMBER OF SHEAR CONNECTORS IS LESS THAN THE NUMBER OF WALLS, INTERMIX 12" AND 24" SPACING.
 - WHERE THE NUMBER OF SHEAR CONNECTORS IS GREATER THAN THE NUMBER OF WALLS, INTERMIX ONE SHEAR CONNECTOR PER WALL WITH TWO SHEAR CONNECTORS PER WALL APPLICATION, WITH A MAXIMUM SPACING OF 24".



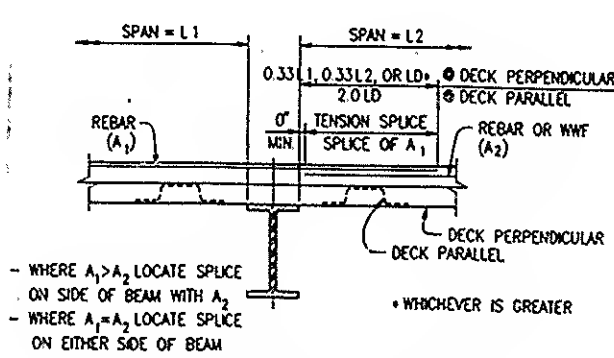
E	TOP BARS
TO 7'	NOT REQUIRED
OVER 7' TO 2'-0	13 @ 12
OVER 2'-0 TO 3'-6	14 @ 12
OVER 3'-6 TO 4'-0	14 @ 6

CANTILEVER

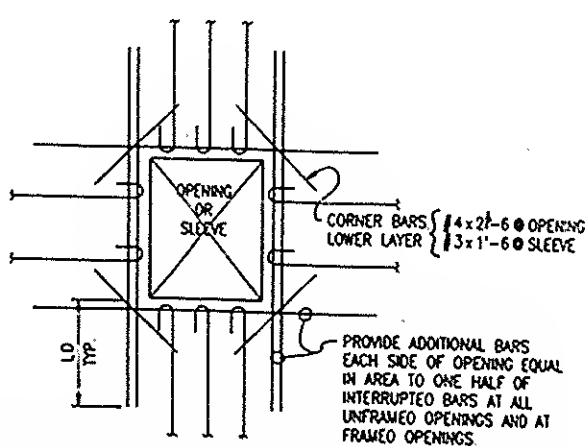
NOTES:

1. BEND OVER WWF. FOR REDBAR GRID PROVIDE STANDARD HOOK.
2. WHERE GRID REDBARS ARE EQUAL TO OR GREATER IN AREA PER FOOT THAN REQUIRED TOP BARS, TOP BARS MAY BE OMITTED.
3. FOR LOCATION SEE PLAN. IF NOT NOTED IN PLAN OR SECTION, EDGE OF SLAB IS FLUSH WITH EDGE OF FLANGE.

K SLAB / DECK



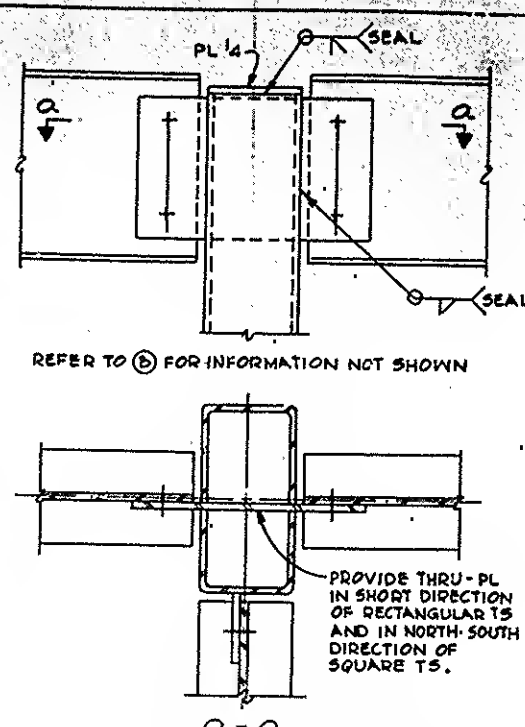
① SLAB / DECK



FRAMED AND UNFRAMED OPENING OR SLEEVE
THROUGH SLAB ON STEEL DECK WITH REBAR GRID
FOR BOTTOM BAR ARRANGEMENT SEE (N).

SIZE AND LOCATION OF OPENINGS NOT SHOWN IN
STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE
STRUCTURAL ENGINEER FOR REVIEW

(M) SLAB / DECK



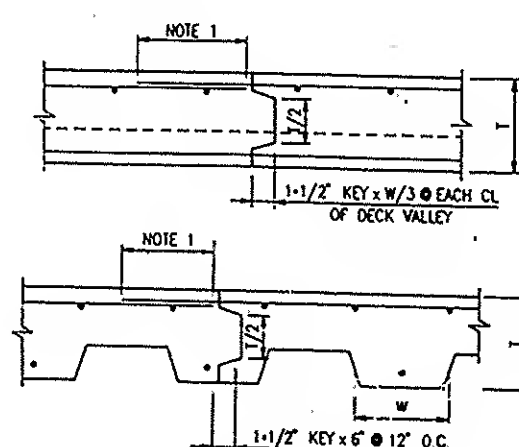
F CONNECTION OF BEAM TO TS COLUMN

1. For extent of slab/deck type, see plans and details. For description of slab/deck type, see schedule and details.
2. For spans with supports at both ends, provide deck proportioned compositely to sustain the dead and anticipated live loads in its schedule, except that, for spans including trench headers, provide deck proportioned non-compositely.
3. Provide deck proportioned compositely also to satisfy the following criteria for function as a form:
 - A. Dead load deflection limited to $1/180$ of span or .75 in., whichever is smaller.
 - B. Steel stress limited to not more than 26700 psi for dead load plus 200 lb per sq ft. concentrated load at midspan or steel stress limited to not more than 20000 psi for dead load plus 20 psf additional load, whichever is more severe.
3. For deck supporting cantilevers, provide deck proportioned to satisfy the following criteria for function as a form:
 - A. Dead load deflection limited to $1/90$ of overhang or .375 in., whichever is smaller.
 - B. Steel stress limited to not more than 26700 psi for dead load plus 200 lb per sq ft. concentrated load at outside end of overhang or, steel stress limited to not more than 20000 psi for dead load plus 20 psf additional load, whichever is more severe.
4. NW indicates normal weight aggregate concrete. LW indicates lightweight aggregate concrete.
5. Provide additional concrete as required to compensate for deflections of beams and of steel.

G SLAB/STEEL DECK

TYPE	DECK THICK (ft)	SLAB		SUPERIMPOSED LOAD (PSF)	REINFORCING		REMARKS
		DEPTH (IN)	AGGREGATE		WYF OR REBAR GRID	BOTTOM BARS	
D1	2	4	LW	200	5 # 9 (N-S) 4 # 9 (E-W)		BULKHEAD
D2	2	4 1/2	LW	200	6 # W2.0 x 2.0		FUEL OIL TANK ROOF
D3	1 1/2	4	LW	200	6 # W2.0 x 2.0		MISC

SLAB/DECK



NOTE 1:
TENSION SPLICE IN REBAR GRID ONLY WHERE ACCEPTED
BY STRUCTURAL ENGINEER. STAGGER SPLICE

CONSTRUCTION JOINT

SLAB / DECK

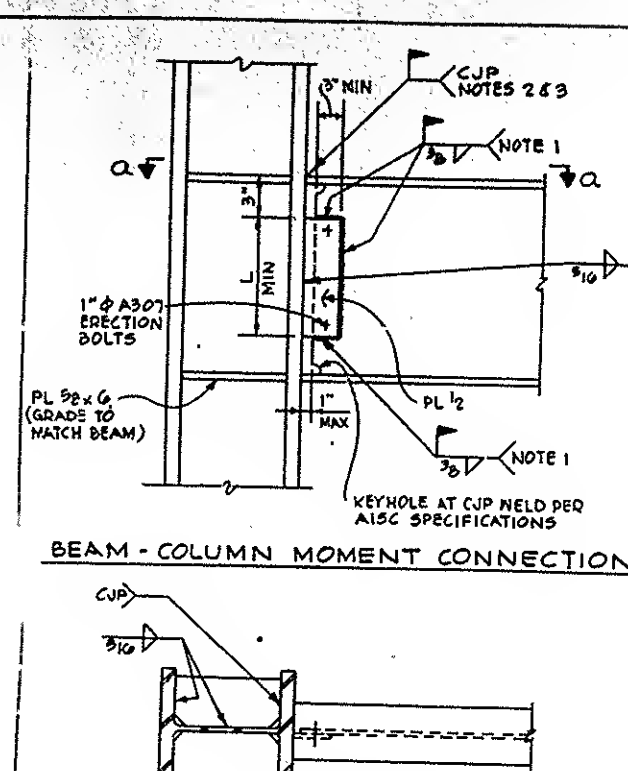
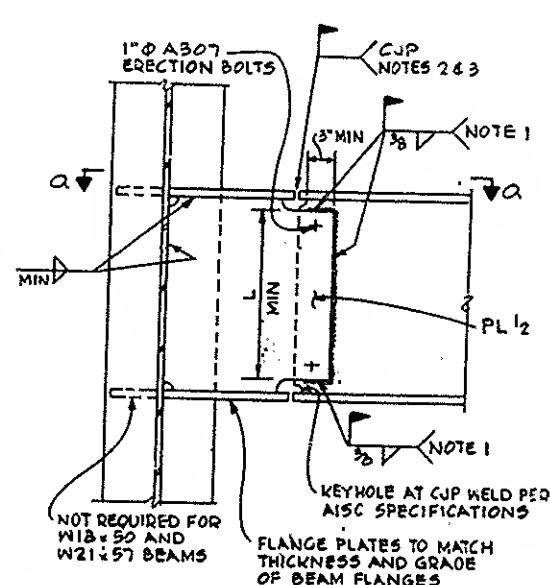


TABLE	
BEAM SIZE	L
W27x84	18.
W27x84 FY50	21
W18x50	12
W18x60 FY50	12
W18x50	14

NOTES:
1. REFER TO TABLE FOR WELD LENGTH

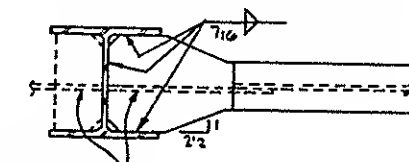
2. WELD FROM BOTH SIDES. WHERE BACKING BAR IS USED REMOVE BAR, BACK GOUGE, WELD FLUSH AND ADD A $\frac{5}{16}$ " REINFORCING FILLET WELD.
3. USE RUN-ON AND RUN-OFF TABS. REMOVE TABS AFTER WELDING AND FINISH TO SMOOTH CONTOURS PER 3.12.3 OF AWS D11.1-94.

D CONNECTIONS




BEAM - COLUMN MOMENT CONNECTION

FOR TABLE AND NOTES SEE (D).



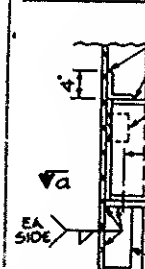
a-a

(E) CONNECTIONS

- NOTES:
UNLESS OTHERWISE SPECIFIED,
OF THE SIZE OF THE
NOTATION
APPROPRIATE
MIN 

SEE ©
FOR MORE
INFORMATION
ON SHEAR BAR

BEAM OR



BEAM OR

- NOTES:**
1. PROVIDE A
DIAPHRAGM
 2. TOP FLANGE
IF TOP PLAT
 3. MINIMUM R
EVEN WHEN
 4. WHERE NOT
THROUGH T

BEAM EN

CONT
HOLE